

TVA Calculation Package

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Title John Sevier - Dry Fly Ash Stack, Bottom Ash Pond & J-Pond - Phase 2 Geotechnical Report

Location Description: John Sevier - Dry Fly Ash Stack, Bottom Ash Pond & J-Pond <i>(Optional)</i>			Total Pages: <i>(including appendices & attachments)</i> NA	
Calculation ID <i>(All parts required to form a unique ID):</i>				
Org Code	Location/ Plant Code	Branch Code	Alphanumeric Part = Discipline Code (1) + Type Code (1) + "X" + Unit Field (3) + Sys Code (3) + Year (4) + Sequence No. (4)	
FPG	JSF	FES	CDX00000020100001	
NOTE: When referencing the calculation ID, include all parts without spaces or dashes between them.				
Unit(s), Spill gate(s), or Voltages (PSO): 000			Key Nouns (For CTS/CCRIS): CTS	
Applicable Design Document(s):			Rev R0 R	RIMS/EDMS Accession Number <i>(Optional)</i>
UNID System(s): 000			R R	
DCN, PCN, NA	R0 NA-WP	R	R	R
Prepared: Sign→ Print Name	<div style="display: flex; justify-content: space-between;"> <div style="width: 40%;"> Will Mattingly, EIT Adam Davis, EIT Tyler Trudel, EIT Benjamin Huynh, EIT </div> <div style="width: 40%;"> </div> </div>			
Checked: Sign→ Print Name	<div style="display: flex; justify-content: space-between;"> <div style="width: 40%;"> Adam Davis, EIT Hugo Aparicio, PE Tom Crilly, PE </div> <div style="width: 40%;"> </div> </div>			
These calculations contain unverified assumption(s) that must be verified later? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No These calculations contain special requirements and/or limiting conditions? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
Approved: Sign→ Print Name	<div style="display: flex; justify-content: space-between;"> <div style="width: 40%;"> Donald Blanton, PE </div> <div style="width: 40%;"></div> </div>			
Approval Date				
These calculations contain a design output attachment? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
Revision Applicability	<input type="checkbox"/> Entire calc <input type="checkbox"/> Selected pgs	<input type="checkbox"/> Entire calc <input type="checkbox"/> Selected pgs	<input type="checkbox"/> Entire calc <input type="checkbox"/> Selected pgs	<input type="checkbox"/> Entire calc <input type="checkbox"/> Selected pgs
Computer output Microfiche generated? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Number: _____				
Purpose of the Calculation: Geotechnical report details the evaluation of slope stability and seepage of existing conditions for John Sevier - Dry Fly Ash Stack, Bottom Ash Pond & J-Pond.				

Abstract: This analysis details the evaluation of slope stability and seepage for the existing conditions of the Dry Fly Ash Stack, Bottom Ash Pond & J-Pond at the John Sevier Fossil Plant.

☒ Electronically file and return calculation to Calculation Library.

☐ Electronically file and return calculation _____ Address: _____

TVA Calculation Coversheet CTS Input Form

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Preparer	Preparer Login ID	Date
Checker	Checker Login ID	Date

Update Code: ☐ Add ☐ Change ☐ Delete ☐ Rename ☐ Supersede ☐ Duplicate ☐ Verify

The following section applies if a calculation is being renamed, superseded, or has a duplicate.

	Org Code	Plant	Branch	Number	Cur Rev	New Rev
Current Calc ID:						

The following section applies to all calculations.

Calc ID:	FPG	JSF	FES	CDX00000020100001		
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Firm: (TVA or Contractor) Contractor (Stantec Consulting Services Inc.)

Cross-References

[illegible]

TVA Calculation Record of Revision

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Calculation Identifier: FPGJSFFESCDX00000020100001

Title John Sevier - Dry Fly Ash Stack, Bottom Ash Pond & J-Pond - Phase 2 Geotechnical Report

Revision No.	Description of Revision
0	John Sevier - Dry Fly Ash Stack, Bottom Ash Pond & J-Pond - Geotechnical report to evaluate the slope stability and seepage for existing conditions.

TVA Computer File Storage Information Sheet

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Calculation Identifier: FPGJSFFESCDX00000020100001 Rev. 0 Plant: JSF

Subject: This geotechnical report addresses slope stability and seepage of existing conditions at John Sevier - Dry Fly Ash Stack, Bottom Ash Pond & J-Pond. Results are contained within the report.

Software Name: SLOPE/W & SEEP/W and AQTESOLV **Revision Level:** N/A
Vendor Name: GEO-SLOPE, Ltd. & AQTESOLV for windows
Address: Calgary, Alberta, Canada & Reston, Virginia

Executable Files

- ☒ No TVA developed **executable files** were used in this calculation.
Comments:
- ☐ TVA developed **executable files** used in this calculation have been stored electronically and sufficient identifying information is provided below for each executable file. *(Any retrieved file requires re-verification of its contents before use.)*

Input Files

- ☐ Electronic storage of the **input files** for this calculation is not required.
Comments:
- ☒ **Input files** for this calculation have been stored electronically and sufficient identifying information is provided below for each input file. *(Any retrieved file requires re-verification of its contents before use.)*

TVA Calculation Table of Contents

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Calculation Identifier: FPGJSFFESCDX00000020100001

Revision: 0

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